

Listing of the Claims:

1 - 53 (canceled).

54 (currently amended). A drug delivery system comprising:

a flexible remote pad, the remote pad being adapted to be affixed to a patient;

a plurality of release pads located on the remote pad, each of the release pads containing an electroactive polymer and a medication, the release pads having an overlayer that prevents spontaneous release of the medication, wherein the electroactive polymer being adapted to entrap and release the medication such that the medication is initially entrapped by the electroactive polymer and the medication is released from the electroactive polymer upon the receipt of an electrical potential; and

a plurality of contact points operatively connected to the release pads, each of the contact points being adapted to receive a signal from a remote instruction station and to deliver an electrical potential to one of the release pads;

wherein the drug delivery system is adapted to produce a first release of medication at a first time and a second release of medication at a second time different from the first time, the first release of medication occurring when a first release pad receives a first electrical potential from a first contact point, the second release of medication occurring when a second release pad receives a second electrical potential from a second contact point.

55 (previously presented). A drug delivery system as set forth in claim 54 wherein the first release of medication is a gradual release over an extended time period.

56 (previously presented). A drug delivery system as set forth in claim 54 wherein the second release of medication is a gradual release over an extended time period.

57 (previously presented). A drug delivery system as set forth in claim 54 wherein the first release of medication is a gradual release over an extended time period and the second release of medication is a gradual release over an extended time period.

58 (previously presented). A drug delivery system as set forth in claim 54 wherein the first release of medication is a unique burst release.

59 (previously presented). A drug delivery system as set forth in claim 54 wherein the second release of medication is a unique burst release.

60 (previously presented). A drug delivery system as set forth in claim 54 wherein the first and second releases of medication are unique burst releases.

61 (currently amended). A method of medicating a patient comprising:
providing a remote instruction station;
providing a drug delivery system comprising a flexible remote pad, the remote pad being adapted to be affixed to the patient, the system further comprising a plurality of release pads located on the remote pad, each of the release pads containing an electroactive polymer and a medication, the release pads having an overlayer that prevents spontaneous release of the

medication, wherein the electroactive polymer being adapted to entrap and release the medication such that the medication is initially entrapped by the electroactive polymer and the medication is released from the electroactive polymer upon the receipt of an electrical potential, the system further comprising a plurality of contact points operatively connected to the release pads, each of the contact points being adapted to receive a signal from the remote instruction station and to deliver an electrical potential to one of the release pads, and wherein the drug delivery system is adapted to produce a first release of medication at a first time and a second release of medication at a second time different from the first time, the first release of medication occurring when a first release pad receives a first electrical potential from a first contact point, the second release of medication occurring when a second release pad receives a second electrical potential from a second contact point.

62 (previously presented). A method as set forth in claim 61 further comprising:
affixing the drug delivery system to the patient.

63 (previously presented). A method as set forth in claim 62 further comprising:
activating the remote instruction station such that a contact point of the system receives a signal and delivers an electrical potential to one of the release pads causing the release of the medication from the one of the release pads.